

JSON: lunchboxes for data

Module 04 · APIs: How Software Talks · Chapter 02

What you will learn

- ☐ What JSON looks like and why APIs chose it
- ☐ Objects, arrays, key-value pairs, the whole grammar
- ☐ Reading any JSON without fear

Your exercise

TRY IT YOURSELF · ABOUT 10 MINUTES

Ask Kimi: Return only valid JSON representing my week: keys monday..sunday, each with keys plan (string) and hours (number). Paste the result into a file called week.json. Then reverse-engineer: hand-write JSON describing your school bag (object with array of items, each item an object with name and category). Validate both at jsonlint.com.

My notes

KEY TAKEAWAYS

- JSON = labelled text boxes: objects {}, pairs, arrays [], values.
- Boxes nest; reading them aloud is the trick to understanding them.
- Asking AI for "only valid JSON" turns chat into structured data.
- It's the format of API responses, configs and MCP, reading it unlocks Modules 5-8.

Educational content only. AI tools change fast: menus, models and prices may differ from what you read here. Verify anything important before relying on it.
© 2026 The Microcap Minute Global.